

REMARKS

Claims 124-145 are in the application. Claims 126-145 have been withdrawn from consideration.

Claims 124 and 125 have been amended to delete 4-methyl-2,3-hexanediol and 2,3,3-trimethyl-1,2-butanediol from the claimed invention and to correct a clerical error.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with Markings to Show Changes Made".

Election/Restriction

Applicants acknowledge the finality of the restriction requirement and retain their right to petition from the requirement under 37 C.F.R. § 1.144 at a later date. Claims 126-145 have been withdrawn from consideration as being drawn to non-elected subject matter. Please hold the non-elected subject matter in abeyance until conclusion of the examination of the elected subject matter.

Double Patenting Rejections

Claims 124 and 125 have been rejected under the doctrine of obviousness-type double patenting as being unpatentable over Claim 2, at least, of U.S. Patent No. 6,369,025, and over Claim 11, at least, of U.S. Patent No. 6,323,172. Once patentable subject matter has otherwise been identified, Applicants will consider filing a Terminal Disclaimer to obviate these rejections.

Claim Objections

Claims 124 and 125 have been objected to because 2,3-dimethyl-3,4-pentanediol is recited twice. Applicants have now amended Claims 124 and 125 to correct this error.

Rejections under 35 U.S.C. § 102

Claims 124 and 125 have been rejected under 35 U.S.C. § 102(b) as being anticipated by any of Katzenellenbogen et al., Martin et al., Eliel et al., and Green et al. Applicants respectfully traverse these rejections.

With respect to Katzenellenbogen et al., the Office Action asserts that Katzenellenbogen et al. anticipate the claims because they disclose the preparation of 3,4-dimethyl-2,3-pentanediol. However, the present claims are directed to unsaturated homologs or analogs of certain diols such as 3,4-dimethyl-2,3-pentanediol, and not to 3,4-dimethyl-2,3-pentanediol itself. Applicants thus submit that Claims 124 and 125 are not anticipated by Katzenellenbogen et al. under 35 U.S.C. § 102(b).

With respect to Martin et al., the Office Action asserts that Martin et al. anticipate the claims because they disclose the preparation of 4-methyl-2,3-hexanediol. Applicants have now amended Claims 124 and 125 to delete 4-methyl-2,3-hexanediol from the claimed invention. Applicants submit that the claims, as amended, are not anticipated by Martin et al. under 35 U.S.C. § 102(b).

With respect to Eliel et al. and Green et al., the Office Action asserts that these references disclose the preparation of 2,3,3-trimethyl-1,2-butanediol. Applicants have now amended Claims 124 and 125 to delete 2,3,3-trimethyl-1,2-butanediol from the claimed invention. Applicants submit that the claims, as amended, are not anticipated by Eliel et al. or Green et al. under 35 U.S.C. § 102(b).

Rejections under 35 U.S.C. § 103

Claims 124 and 125 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over any of Katzenellenbogen et al., Martin et al., Eliel et al., and Green et al. Applicants respectfully traverse this rejection. Although Katzenellenbogen et al., Martin et al., Eliel et al., and Green et al. disclose certain diols, they do not teach or suggest the presently claimed diols, which are suitable as solvents in fabric softening compositions. As a result, neither Katzenellenbogen et al., Martin et al., Eliel et al., nor Green et al. would motivate one of skill in the art to the principal solvents as presently claimed. Applicants thus submit that Claims 124 and 125 are unobvious over any of Katzenellenbogen et al., Martin et al., Eliel et al., and Green et al. under 35 U.S.C. § 103(a).


CONCLUSION

In view of the foregoing amendments and accompanying remarks, reconsideration of the application and allowance of all claims are respectfully requested.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMSClaims 124 and 125 have been amended as follows:

124. (Amended) Principal solvent selected from the group consisting of:

- A. compound selected from the group consisting of: [1,2-butanediol, 2,3,3-trimethyl-; 3,4-pentanediol, 2,3-dimethyl-; 2,3-hexanediol, 4-methyl-;] 2,3-hexanediol, 5-methyl-; 3,4-hexanediol, 2-methyl-; [1,2-butanediol, 2,3,3-trimethyl-;] 3,4-pentanediol, 2,3-dimethyl-; 1,3-propanediol, 2-(1,1-dimethylpropyl)-; 1,3-propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(2,2-dimethylpropyl)-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 2-ethyl-2,3-dimethyl-; 1,3-butanediol, 2-(2-methylpropyl)-; 1,3-butanediol, 2-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-propyl-; 1,4-butanediol, 2,2-diethyl-; 1,4-butanediol, 2-methyl-2-propyl-; 1,4-butanediol, 2-(1-methylpropyl)-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-butanediol, 2-ethyl-3,3-dimethyl-; 1,4-butanediol, 2-(2-methylpropyl)-; 1,4-pentanediol, 2,2,3-trimethyl-; 1,4-pentanediol, 2,3,3-trimethyl-; 1,5-pentanediol, 2,2,3-trimethyl-; 1,5-pentanediol, 2,3,3-trimethyl-; 1,3-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-3-methyl-; 1,4-pentanediol, 2-ethyl-4-methyl-; 1,4-pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 3-ethyl-3-methyl-; 1,5-pentanediol, 2-ethyl-2-methyl-; 1,5-pentanediol, 2-ethyl-4-methyl-; 2,4-pentanediol, 3-ethyl-2-methyl-; 1,3-pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4-hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dimethyl-; 1,4-hexanediol, 4,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5-hexanediol, 3,4-dimethyl-; 1,5-hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5-dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6-hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,5-hexanediol, 2,3-dimethyl-; 2,5-hexanediol, 2,4-dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 2,6-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 4-ethyl-; 2,4-hexanediol, 3-ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3-heptanediol, 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3-heptanediol, 6-methyl-; 1,5-heptanediol, 3-methyl-; 1,5-heptanediol, 4-methyl-; 1,6-heptanediol, 3-methyl-; 1,6-heptanediol, 5-methyl-; 2,4-heptanediol, 5-methyl-; 2,5-heptanediol, 3-methyl-; 3,5-heptanediol, 2-methyl-; 2,6-octanediol;

- 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; 2,5-hexanediol, 3,3,5-trimethyl-;
- B. ether solvent selected from the group consisting of: 1,2-propanediol, 3-(2-pentyloxy)-; 1,2-propanediol, 3-(3-pentyloxy)-; 1,2-propanediol, 3-(2-methyl-1-butyloxy)-; 1,2-propanediol, 3-(iso-amyl-2-butyloxy)-; 1,2-propanediol, 3-(3-methyl-2-butyloxy)-; 1,2-propanediol, 3-(cyclohexyloxy)-; 1,2-propanediol, 3-(1-cyclohex-1-enyloxy)-; 1,3-propanediol, 2-(2-pentyloxy)-; 1,3-propanediol, 2-(2-methyl-1-butyloxy)-; 1,3-propanediol, 2-(iso-amyl-2-butyloxy)-; 1,3-propanediol, 2-(3-methyl-2-butyloxy)-; 1,3-propanediol, 2-(cyclohexyloxy)-; 1,3-propanediol, 2-(1-cyclohex-1-enyloxy)-; 1,2-propanediol, 3-(butyloxy)-, triethoxylated; 1,2-propanediol, 3-(butyloxy)-, tetraethoxylated; 1,2-propanediol, 3-(butyloxy)-, pentaethoxylated; 1,2-propanediol, 3-(butyloxy)-, hexaethoxylated; 1,2-propanediol, 3-(butyloxy)-, heptaethoxylated; 1,2-propanediol, 3-(butyloxy)-, octaethoxylated; 1,2-propanediol, 3-(butyloxy)-, nonaethoxylated; 1,2-propanediol, 3-(butyloxy)-, monopropoxylated; 1,2-propanediol, 3-(butyloxy)-, dibutyleneoxylated; and 1,2-propanediol, 3-(butyloxy)-, tributyleneoxylated; bis(2-hydroxybutyl)ether; and bis(2-hydroxycyclopentyl)ether;
- C. unsaturated compounds which are homologs, or analogs, of the following compounds in which each homolog, or analog, contains at least one additional CH₂ group and the total number of hydrogen atoms is kept the same by inserting one double bond for each additional CH₂ group:
- I. n-propanol;
 - II. 2-butanol and/or 2-methyl-2-propanol;
 - III. 2,3-butanediol, 2,3-dimethyl-; 1,2-butanediol, 2,3-dimethyl-; 1,2-butanediol, 3,3-dimethyl-; 2,3-pentanediol, 2-methyl-; 2,3-pentanediol, 3-methyl-; 2,3-pentanediol, 4-methyl-; 2,3-hexanediol; 3,4-hexanediol; 1,2-butanediol, 2-ethyl-; 1,2-pentanediol, 2-methyl-; 1,2-pentanediol, 3-methyl-; 1,2-pentanediol, 4-methyl-; and/or 1,2-hexanediol;
 - IV. 1,3-propanediol, 2-butyl-; 1,3-propanediol, 2,2-diethyl-; 1,3-propanediol, 2-(1-methylpropyl)-; 1,3-propanediol, 2-(2-methylpropyl)-; 1,3-propanediol, 2-methyl-2-propyl-; 1,2-butanediol, 2,3,3-trimethyl-; 1,4-butanediol, 2-ethyl-2-methyl-; 1,4-butanediol, 2-ethyl-3-methyl-; 1,4-butanediol, 2-propyl-; 1,4-butanediol, 2-isopropyl-; 1,5-pentanediol, 2,2-dimethyl-; 1,5-pentanediol, 2,3-dimethyl-; 1,5-pentanediol, 2,4-dimethyl-; 1,5-pentanediol, 3,3-dimethyl-; 2,3-pentanediol, 2,3-dimethyl-; 2,3-pentanediol, 2,4-dimethyl-; 2,3-pentanediol, 3,4-dimethyl-; 2,3-pentanediol, 4,4-dimethyl-; 3,4-pentanediol, 2,3-dimethyl-; 1,5-pentanediol, 2-ethyl-; 1,6-hexanediol, 2-methyl-; 1,6-hexanediol, 3-methyl-; 2,3-hexanediol, 2-methyl-; 2,3-hexanediol, 3-methyl-; 2,3-hexanediol, 4-methyl-; 2,3-hexanediol, 5-methyl-; 3,4-hexanediol, 2-methyl-; 3,4-hexanediol,

- 3-methyl-; 1,3-heptanediol; 1,4-; heptanediol; 1,5-heptanediol; and/or 1,6-heptanediol;
- V. 1,3-propanediol, 2-(2-methylbutyl)-; 1,3-propanediol, 2-(1,1-dimethylpropyl)-; 1,3-propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(1-ethylpropyl)-; 1,3-propanediol, 2-(1-methylbutyl)-; 1,3-propanediol, 2-(2,2-dimethylpropyl)-; 1,3-propanediol, 2-(3-methylbutyl)-; 1,3-propanediol, 2-butyl-2-methyl-; 1,3-propanediol, 2-ethyl-2-isopropyl-; 1,3-propanediol, 2-ethyl-2-propyl-; 1,3-propanediol, 2-methyl-2-(1-methylpropyl)-; 1,3-propanediol, 2-methyl-2-(2-methylpropyl)-; 1,3-propanediol, 2-tertiary-butyl-2-methyl-; 1,3-butanediol, 2,2-diethyl-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 2-butyl-; 1,3-butanediol, 2-ethyl-2,3-dimethyl-; 1,3-butanediol, 2-(1,1-dimethylethyl)-; 1,3-butanediol, 2-(2-methylpropyl)-; 1,3-butanediol, 2-methyl-2-isopropyl-; 1,3-butanediol, 2-methyl-2-propyl-; 1,3-butanediol, 3-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-propyl-; 1,4-butanediol, 2,2-diethyl-; 1,4-butanediol, 2-methyl-2-propyl-; 1,4-butanediol, 2-(1-methylpropyl)-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-butanediol, 2-ethyl-3,3-dimethyl-; 1,4-butanediol, 2-(1,1-dimethylethyl)-; 1,4-butanediol, 2-(2-methylpropyl)-; 1,4-butanediol, 2-methyl-3-propyl-; 1,4-butanediol, 3-methyl-2-isopropyl-; 1,3-pentanediol, 2,2,3-trimethyl-; 1,3-pentanediol, 2,2,4-trimethyl-; 1,3-pentanediol, 2,3,4-trimethyl-; 1,3-pentanediol, 2,4,4-trimethyl-; 1,3-pentanediol, 3,4,4-trimethyl-; 1,4-pentanediol, 2,2,3-trimethyl-; 1,4-pentanediol, 2,2,4-trimethyl-; 1,4-pentanediol, 2,3,3-trimethyl-; 1,4-pentanediol, 3,3,4-trimethyl-; 1,5-pentanediol, 2,2,3-trimethyl-; 1,5-pentanediol, 2,2,4-trimethyl-; 1,5-pentanediol, 2,3,3-trimethyl-; 1,5-pentanediol, 2,3,4-trimethyl-; 2,4-pentanediol, 2,3,3-trimethyl-; 2,4-pentanediol, 2,3,4-trimethyl-; 1,3-pentanediol, 2-ethyl-2-methyl-; 1,3-pentanediol, 2-ethyl-3-methyl-; 1,3-pentanediol, 2-ethyl-4-methyl-; 1,3-pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-3-methyl-; 1,4-pentanediol, 2-ethyl-4-methyl-; 1,4-pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 3-ethyl-3-methyl-; 1,5-pentanediol, 2-ethyl-2-methyl-; 1,5-pentanediol, 2-ethyl-3-methyl-; 1,5-pentanediol, 2-ethyl-4-methyl-; 1,5-pentanediol, 3-ethyl-3-methyl-; 2,4-pentanediol, 3-ethyl-2-methyl-; 1,3-pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 1,5-pentanediol, 2-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3-hexanediol, 2,2-dimethyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 2,4-dimethyl-; 1,3-hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4-hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 2,5-dimethyl-; 1,4-hexanediol, 3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4-

hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dimethyl-; 1,4-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 5,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5-hexanediol, 2,3-dimethyl-; 1,5-hexanediol, 2,4-dimethyl-; 1,5-hexanediol, 2,5-dimethyl-; 1,5-hexanediol, 3,3-dimethyl-; 1,5-hexanediol, 3,4-dimethyl-; 1,5-hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5-dimethyl-; 1,6-hexanediol, 2,2-dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6-hexanediol, 2,5-dimethyl-; 1,6-hexanediol, 3,3-dimethyl-; 1,6-hexanediol, 3,4-dimethyl-; 2,4-hexanediol, 2,3-dimethyl-; 2,4-hexanediol, 2,4-dimethyl-; 2,4-hexanediol, 2,5-dimethyl-; 2,4-hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 3,4-dimethyl-; 2,4-hexanediol, 3,5-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,4-hexanediol, 5,5-dimethyl-; 2,5-hexanediol, 2,3-dimethyl-; 2,5-hexanediol, 2,4-dimethyl-; 2,5-hexanediol, 2,5-dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 2,5-hexanediol, 3,4-dimethyl-; 2,6-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 2-ethyl-; 1,3-hexanediol, 4-ethyl-; 1,4-hexanediol, 2-ethyl-; 1,4-hexanediol, 4-ethyl-; 1,5-hexanediol, 2-ethyl-; 2,4-hexanediol, 3-ethyl-; 2,4-hexanediol, 4-ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3-heptanediol, 2-methyl-; 1,3-heptanediol, 3-methyl-; 1,3-heptanediol, 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3-heptanediol, 6-methyl-; 1,4-heptanediol, 2-methyl-; 1,4-heptanediol, 3-methyl-; 1,4-heptanediol, 4-methyl-; 1,4-heptanediol, 5-methyl-; 1,4-heptanediol, 6-methyl-; 1,5-heptanediol, 2-methyl-; 1,5-heptanediol, 3-methyl-; 1,5-heptanediol, 4-methyl-; 1,5-heptanediol, 5-methyl-; 1,5-heptanediol, 6-methyl-; 1,6-heptanediol, 2-methyl-; 1,6-heptanediol, 3-methyl-; 1,6-heptanediol, 4-methyl-; 1,6-heptanediol, 5-methyl-; 1,6-heptanediol, 6-methyl-; 2,4-heptanediol, 2-methyl-; 2,4-heptanediol, 3-methyl-; 2,4-heptanediol, 4-methyl-; 2,4-heptanediol, 5-methyl-; 2,4-heptanediol, 6-methyl-; 2,5-heptanediol, 2-methyl-; 2,5-heptanediol, 3-methyl-; 2,5-heptanediol, 4-methyl-; 2,5-heptanediol, 5-methyl-; 2,5-heptanediol, 6-methyl-; 2,6-heptanediol, 2-methyl-; 2,6-heptanediol, 3-methyl-; 2,6-heptanediol, 4-methyl-; 3,4-heptanediol, 3-methyl-; 3,5-heptanediol, 2-methyl-; 3,5-heptanediol, 3-methyl-; 3,5-heptanediol, 4-methyl-; 2,4-octanediol; 2,5-octanediol; 2,6-octanediol; 2,7-octanediol; 3,5-octanediol; and/or 3,6-octanediol;

VI. 2,4-pentanediol, 2,3,3,4-tetramethyl-; 2,4-pentanediol, 3-tertiarybutyl-; 2,4-hexanediol, 2,5,5-trimethyl-; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,3,5-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; and/or 2,5-hexanediol, 3,3,5-trimethyl-;

VII. Alkoxylated derivatives of C₃₋₈ diols selected from the group consisting of:

1. 1,2-propanediol 2(Me-polyethoxy₁₋₄); 1,2-propanediol polypropoxy₄; 1,2-propanediol, 2-methyl- (Me-polyethoxy₄₋₁₀); 1,2-propanediol, 2-

- methyl- 2(Me-polyethoxy₁); 1,2-propanediol, 2-methyl- polypropoxy₃; 1,2-propanediol, 2-methyl- polybutoxy₁; 1,3-propanediol 2(Me-polyethoxy₆₋₈); 1,3-propanediol polypropoxy₅₋₆; 1,3-propanediol, 2,2-diethyl- polyethoxy₁₋₇; 1,3-propanediol, 2,2-diethyl- polypropoxy₁; 1,3-propanediol, 2,2-diethyl- n-polybutoxy₁₋₂; 1,3-propanediol, 2,2-dimethyl- 2(Me polyethoxy₁₋₂); 1,3-propanediol, 2,2-dimethyl- polypropoxy₃₋₄; 1,3-propanediol, 2-(1-methylpropyl)- polyethoxy₁₋₇; 1,3-propanediol, 2-(1-methylpropyl)- polypropoxy₁; 1,3-propanediol, 2-(1-methylpropyl)- n-polybutoxy₁₋₂; 1,3-propanediol, 2-(2-methylpropyl)- polyethoxy₁₋₇; 1,3-propanediol, 2-(2-methylpropyl)- polypropoxy₁; 1,3-propanediol, 2-(2-methylpropyl)- n-polybutoxy₁₋₂; 1,3-propanediol, 2-ethyl- (Me polyethoxy₆₋₁₀); 1,3-propanediol, 2-ethyl- 2(Me polyethoxy₁); 1,3-propanediol, 2-ethyl- polypropoxy₃; 1,3-propanediol, 2-ethyl-2-methyl- (Me polyethoxy₁₋₆); 1,3-propanediol, 2-ethyl-2-methyl- polypropoxy₂; 1,3-propanediol, 2-ethyl-2-methyl- polybutoxy₁; 1,3-propanediol, 2-isopropyl- (Me polyethoxy₁₋₆); 1,3-propanediol, 2-isopropyl- polypropoxy₂; 1,3-propanediol, 2-isopropyl- polybutoxy₁; 1,3-propanediol, 2-methyl- 2(Me polyethoxy₂₋₅); 1,3-propanediol, 2-methyl- polypropoxy₄₋₅; 1,3-propanediol, 2-methyl- polybutoxy₂; 1,3-propanediol, 2-methyl-2-isopropyl- polyethoxy₂₋₉; 1,3-propanediol, 2-methyl-2-isopropyl- polypropoxy₁; 1,3-propanediol, 2-methyl-2-isopropyl- n-polybutoxy₁₋₃; 1,3-propanediol, 2-methyl-2-propyl- polyethoxy₁₋₇; 1,3-propanediol, 2-methyl-2-propyl- polypropoxy₁; 1,3-propanediol, 2-methyl-2-propyl- n-polybutoxy₁₋₂; 1,3-propanediol, 2-propyl- (Me polyethoxy₁₋₄); 1,3-propanediol, 2-propyl- polypropoxy₂; 1,3-propanediol, 2-propyl- polybutoxy₁;
2. 1,2-butanediol (Me polyethoxy₂₋₈); 1,2-butanediol polypropoxy₂₋₃; 1,2-butanediol polybutoxy₁; 1,2-butanediol, 2,3-dimethyl- polyethoxy₁₋₆; 1,2-butanediol, 2,3-dimethyl- n-polybutoxy₁₋₂; 1,2-butanediol, 2-ethyl- polyethoxy₁₋₃; 1,2-butanediol, 2-ethyl- n-polybutoxy₁; 1,2-butanediol, 2-methyl- (Me polyethoxy₁₋₂); 1,2-butanediol, 2-methyl- polypropoxy₁; 1,2-butanediol, 3,3-dimethyl- polyethoxy₁₋₆; 1,2-butanediol, 3,3-dimethyl- n-polybutoxy₁₋₂; 1,2-butanediol, 3-methyl- (Me polyethoxy₁₋₂); 1,2-butanediol, 3-methyl- polypropoxy₁; 1,3-butanediol 2(Me polyethoxy₃₋₆); 1,3-butanediol polypropoxy₅; 1,3-butanediol polybutoxy₂; 1,3-butanediol, 2,2,3-trimethyl- (Me polyethoxy₁₋₃); 1,3-butanediol, 2,2,3-trimethyl- polypropoxy₁₋₂; 1,3-butanediol, 2,2-dimethyl- (Me polyethoxy₃₋₈); 1,3-butanediol, 2,2-dimethyl- polypropoxy₃; 1,3-butanediol, 2,3-dimethyl- (Me polyethoxy₃₋₈); 1,3-butanediol, 2,3-dimethyl- polypropoxy₃; 1,3-butanediol, 2-ethyl- (Me

polyethoxy₁₋₆); 1,3-butanediol, 2-ethyl- polypropoxy₂₋₃; 1,3-butanediol, 2-ethyl- polybutoxy₁; 1,3-butanediol, 2-ethyl-2-methyl- (Me polyethoxy₁); 1,3-butanediol, 2-ethyl-2-methyl- polypropoxy₁; 1,3-butanediol, 2-ethyl-2-methyl- n-polybutoxy₂₋₄; 1,3-butanediol, 2-ethyl-3-methyl- (Me polyethoxy₁); 1,3-butanediol, 2-ethyl-3-methyl- polypropoxy₁; 1,3-butanediol, 2-ethyl-3-methyl- n-polybutoxy₂₋₄; 1,3-butanediol, 2-isopropyl- (Me polyethoxy₁); 1,3-butanediol, 2-isopropyl- polypropoxy₁; 1,3-butanediol, 2-isopropyl- n-polybutoxy₂₋₄; 1,3-butanediol, 2-methyl- 2(Me polyethoxy₁₋₃); 1,3-butanediol, 2-methyl- polypropoxy₄; 1,3-butanediol, 2-propyl- polyethoxy₂₋₉; 1,3-butanediol, 2-propyl- polypropoxy₁; 1,3-butanediol, 2-propyl- n-polybutoxy₁₋₃; 1,3-butanediol, 3-methyl- 2(Me polyethoxy₁₋₃); 1,3-butanediol, 3-methyl- polypropoxy₄; 1,4-butanediol 2(Me polyethoxy₂₋₄); 1,4-butanediol polypropoxy₄₋₅; 1,4-butanediol polybutoxy₂; 1,4-butanediol, 2,2,3-trimethyl- polyethoxy₂₋₉; 1,4-butanediol, 2,2,3-trimethyl- polypropoxy₁; 1,4-butanediol, 2,2,3-trimethyl- n-polybutoxy₁₋₃; 1,4-butanediol, 2,2-dimethyl- (Me polyethoxy₁₋₆); 1,4-butanediol, 2,2-dimethyl- polypropoxy₂; 1,4-butanediol, 2,2-dimethyl- polybutoxy₁; 1,4-butanediol, 2,3-dimethyl- (Me polyethoxy₁₋₆); 1,4-butanediol, 2,3-dimethyl- polypropoxy₂; 1,4-butanediol, 2,3-dimethyl- polybutoxy₁; 1,4-butanediol, 2-ethyl- (Me polyethoxy₁₋₄); 1,4-butanediol, 2-ethyl- polypropoxy₂; 1,4-butanediol, 2-ethyl- polybutoxy₁; 1,4-butanediol, 2-ethyl-2-methyl- polyethoxy₁₋₇; 1,4-butanediol, 2-ethyl-2-methyl- polypropoxy₁; 1,4-butanediol, 2-ethyl-2-methyl- n-polybutoxy₁₋₂; 1,4-butanediol, 2-ethyl-3-methyl- polyethoxy₁₋₇; 1,4-butanediol, 2-ethyl-3-methyl- polypropoxy₁; 1,4-butanediol, 2-ethyl-3-methyl- n-polybutoxy₁₋₂; 1,4-butanediol, 2-isopropyl- polyethoxy₁₋₇; 1,4-butanediol, 2-isopropyl- polypropoxy₁; 1,4-butanediol, 2-isopropyl- n-polybutoxy₁₋₂; 1,4-butanediol, 2-methyl- (Me polyethoxy₆₋₁₀); 1,4-butanediol, 2-methyl- 2(Me polyethoxy₁); 1,4-butanediol, 2-methyl- polypropoxy₃; 1,4-butanediol, 2-methyl- polybutoxy₁; 1,4-butanediol, 2-propyl- polyethoxy₁₋₅; 1,4-butanediol, 2-propyl- n-polybutoxy₁₋₂; 1,4-butanediol, 3-ethyl-1-methyl- polyethoxy₂₋₉; 1,4-butanediol, 3-ethyl-1-methyl- polypropoxy₁; 1,4-butanediol, 3-ethyl-1-methyl- n-polybutoxy₁₋₃; 2,3-butanediol (Me polyethoxy₆₋₁₀); 2,3-butanediol 2(Me polyethoxy₁); 2,3-butanediol polypropoxy₃₋₄; 2,3-butanediol polybutoxy₁; 2,3-butanediol, 2,3-dimethyl- polyethoxy₃₋₉; 2,3-butanediol, 2,3-dimethyl- polypropoxy₁; 2,3-butanediol, 2,3-dimethyl- n-polybutoxy₁₋₃; 2,3-butanediol, 2-methyl- (Me polyethoxy₁₋₅); 2,3-butanediol, 2-methyl- polypropoxy₂; 2,3-butanediol, 2-methyl- polybutoxy₁;

3. 1,2-pentanediol polyethoxy₃₋₁₀; 1,2-pentanediol, polypropoxy₁; 1,2-pentanediol, n-polybutoxy₂₋₃; 1,2-pentanediol, 2-methyl polyethoxy₁₋₃; 1,2-pentanediol, 2-methyl n-polybutoxy₁; 1,2-pentanediol, 2-methyl polybutoxy₁; 1,2-pentanediol, 3-methyl polyethoxy₁₋₃; 1,2-pentanediol, 3-methyl n-polybutoxy₁; 1,2-pentanediol, 4-methyl polyethoxy₁₋₃; 1,2-pentanediol, 4-methyl n-polybutoxy₁; 1,3-pentanediol 2(Me-polyethoxy₁₋₂); 1,3-pentanediol polypropoxy₃₋₄; 1,3-pentanediol, 2,2-dimethyl- (Me-polyethoxy₁); 1,3-pentanediol, 2,2-dimethyl- polypropoxy₁; 1,3-pentanediol, 2,2-dimethyl- n-polybutoxy₂₋₄; 1,3-pentanediol, 2,3-dimethyl- (Me-polyethoxy₁); 1,3-pentanediol, 2,3-dimethyl- polypropoxy₁; 1,3-pentanediol, 2,3-dimethyl- n-polybutoxy₂₋₄; 1,3-pentanediol, 2,4-dimethyl- (Me-polyethoxy₁); 1,3-pentanediol, 2,4-dimethyl- polypropoxy₁; 1,3-pentanediol, 2,4-dimethyl- n-polybutoxy₂₋₄; 1,3-pentanediol, 2-ethyl- polyethoxy₂₋₉; 1,3-pentanediol, 2-ethyl- polypropoxy₁; 1,3-pentanediol, 2-ethyl- n-polybutoxy₁₋₃; 1,3-pentanediol, 2-methyl- 2(Me-polyethoxy₁₋₆); 1,3-pentanediol, 2-methyl- polypropoxy₂₋₃; 1,3-pentanediol, 2-methyl- polybutoxy₁; 1,3-pentanediol, 3,4-dimethyl- (Me-polyethoxy₁); 1,3-pentanediol, 3,4-dimethyl- polypropoxy₁; 1,3-pentanediol, 3,4-dimethyl- n-polybutoxy₂₋₄; 1,3-pentanediol, 3-methyl- (Me-polyethoxy₁₋₆); 1,3-pentanediol, 3-methyl- polypropoxy₂₋₃; 1,3-pentanediol, 3-methyl- polybutoxy₁; 1,3-pentanediol, 4,4-dimethyl- (Me-polyethoxy₁); 1,3-pentanediol, 4,4-dimethyl- polypropoxy₁; 1,3-pentanediol, 4,4-dimethyl- n-polybutoxy₂₋₄; 1,3-pentanediol, 4-methyl- (Me-polyethoxy₁₋₆); 1,3-pentanediol, 4-methyl- polypropoxy₂₋₃; 1,3-pentanediol, 4-methyl- polybutoxy₁; 1,4-pentanediol, 2(Me-polyethoxy₁₋₂); 1,4-pentanediol polypropoxy₃₋₄; 1,4-pentanediol, 2,2-dimethyl- (Me-polyethoxy₁); 1,4-pentanediol, 2,2-dimethyl- polypropoxy₁; 1,4-pentanediol, 2,2-dimethyl- n-polybutoxy₂₋₄; 1,4-pentanediol, 2,3-dimethyl- (Me-polyethoxy₁); 1,4-pentanediol, 2,3-dimethyl- polypropoxy₁; 1,4-pentanediol, 2,3-dimethyl- n-polybutoxy₂₋₄; 1,4-pentanediol, 2,4-dimethyl- (Me-polyethoxy₁); 1,4-pentanediol, 2,4-dimethyl- polypropoxy₁; 1,4-pentanediol, 2,4-dimethyl- n-polybutoxy₂₋₄; 1,4-pentanediol, 2-methyl- (Me-polyethoxy₁₋₆); 1,4-pentanediol, 2-methyl- polypropoxy₂₋₃; 1,4-pentanediol, 2-methyl- polybutoxy₁; 1,4-pentanediol, 3,3-dimethyl- (Me-polyethoxy₁); 1,4-pentanediol, 3,3-dimethyl- polypropoxy₁; 1,4-pentanediol, 3,3-dimethyl- n-polybutoxy₂₋₄; 1,4-pentanediol, 3,4-dimethyl- (Me-polyethoxy₁); 1,4-pentanediol, 3,4-dimethyl- polypropoxy₁; 1,4-pentanediol, 3,4-dimethyl- n-polybutoxy₂₋₄; 1,4-pentanediol, 3-methyl- 2(Me-polyethoxy₁₋₆); 1,4-pentanediol, 3-methyl- polypropoxy₂₋₃; 1,4-pentanediol, 3-methyl- polybutoxy₁; 1,4-

- pentanediol, 4-methyl- 2(Me-polyethoxy₁₋₆); 1,4-pentanediol, 4-methyl- polypropoxy₂₋₃; 1,4-pentanediol, 4-methyl- polybutoxy₁; 1,5-pentanediol, (Me-polyethoxy₄₋₁₀); 1,5-pentanediol 2(Me-polyethoxy₁); 1,5-pentanediol polypropoxy₃; 1,5-pentanediol, 2,2-dimethyl- polyethoxy₁₋₇; 1,5-pentanediol, 2,2-dimethyl- polypropoxy₁; 1,5-pentanediol, 2,2-dimethyl- n-polybutoxy₁₋₂; 1,5-pentanediol, 2,3-dimethyl- polyethoxy₁₋₇; 1,5-pentanediol, 2,3-dimethyl- polypropoxy₁; 1,5-pentanediol, 2,3-dimethyl- n-polybutoxy₁₋₂; 1,5-pentanediol, 2,4-dimethyl- polyethoxy₁₋₇; 1,5-pentanediol, 2,4-dimethyl- polypropoxy₁; 1,5-pentanediol, 2,4-dimethyl- n-polybutoxy₁₋₂; 1,5-pentanediol, 2-ethyl- polyethoxy₁₋₅; 1,5-pentanediol, 2-ethyl- n-polybutoxy₁₋₂; 1,5-pentanediol, 2-methyl- (Me-polyethoxy₁₋₄); 1,5-pentanediol, 2-methyl- polypropoxy₂; 1,5-pentanediol, 3,3-dimethyl- polyethoxy₁₋₇; 1,5-pentanediol, 3,3-dimethyl- polypropoxy₁; 1,5-pentanediol, 3,3-dimethyl- n-polybutoxy₁₋₂; 1,5-pentanediol, 3-methyl- (Me-polyethoxy₁₋₄); 1,5-pentanediol, 3-methyl- polypropoxy₂; 2,3-pentanediol, (Me-polyethoxy₁₋₃); 2,3-pentanediol, polypropoxy₂; 2,3-pentanediol, 2-methyl- polyethoxy₁₋₇; 2,3-pentanediol, 2-methyl- polypropoxy₁; 2,3-pentanediol, 2-methyl- n-polybutoxy₁₋₂; 2,3-pentanediol, 3-methyl- polyethoxy₁₋₇; 2,3-pentanediol, 3-methyl- polypropoxy₁; 2,3-pentanediol, 3-methyl- n-polybutoxy₁₋₂; 2,3-pentanediol, 4-methyl- polyethoxy₁₋₇; 2,3-pentanediol, 4-methyl- polypropoxy₁; 2,3-pentanediol, 4-methyl- n-polybutoxy₁₋₂; 2,4-pentanediol, 2(Me-polyethoxy₁₋₄); 2,4-pentanediol polypropoxy₄; 2,4-pentanediol, 2,3-dimethyl- (Me-polyethoxy₁₋₄); 2,4-pentanediol, 2,3-dimethyl- polypropoxy₂; 2,4-pentanediol, 2,4-dimethyl- (Me-polyethoxy₁₋₄); 2,4-pentanediol, 2,4-dimethyl- polypropoxy₂; 2,4-pentanediol, 2-methyl- (Me-polyethoxy₅₋₁₀); 2,4-pentanediol, 2-methyl- polypropoxy₃; 2,4-pentanediol, 3,3-dimethyl- (Me-polyethoxy₁₋₄); 2,4-pentanediol, 3,3-dimethyl- polypropoxy₂; 2,4-pentanediol, 3-methyl- (Me-polyethoxy₅₋₁₀); 2,4-pentanediol, 3-methyl- polypropoxy₃;
4. 1,3-hexanediol (Me-polyethoxy₁₋₅); 1,3-hexanediol polypropoxy₂; 1,3-hexanediol polybutoxy₁; 1,3-hexanediol, 2-methyl- polyethoxy₂₋₉; 1,3-hexanediol, 2-methyl- polypropoxy₁; 1,3-hexanediol, 2-methyl- n-polybutoxy₁₋₃; 1,3-hexanediol, 2-methyl- polybutoxy₁; 1,3-hexanediol, 3-methyl- polyethoxy₂₋₉; 1,3-hexanediol, 3-methyl- polypropoxy₁; 1,3-hexanediol, 3-methyl- n-polybutoxy₁₋₃; 1,3-hexanediol, 4-methyl- polyethoxy₂₋₉; 1,3-hexanediol, 4-methyl- polypropoxy₁; 1,3-hexanediol, 4-methyl- n-polybutoxy₁₋₃; 1,3-hexanediol, 5-methyl- polyethoxy₂₋₉; 1,3-hexanediol, 5-methyl- polypropoxy₁; 1,3-hexanediol, 5-methyl- n-polybutoxy₁₋₃; 1,4-hexanediol (Me-polyethoxy₁₋₅); 1,4-hexanediol

polypropoxy₂; 1,4-hexanediol polybutoxy₁; 1,4-hexanediol, 2-methyl-
polyethoxy₂₋₉; 1,4-hexanediol, 2-methyl- polypropoxy₁; 1,4-hexanediol,
2-methyl- n-polybutoxy₁₋₃; 1,4-hexanediol, 3-methyl- polyethoxy₂₋₉;
1,4-hexanediol, 3-methyl- polypropoxy₁; 1,4-hexanediol, 3-methyl- n-
polybutoxy₁₋₃; 1,4-hexanediol, 4-methyl- polyethoxy₂₋₉; 1,4-hexanediol,
4-methyl- polypropoxy₁; 1,4-hexanediol, 4-methyl- n-polybutoxy₁₋₃;
1,4-hexanediol, 5-methyl- polyethoxy₂₋₉; 1,4-hexanediol, 5-methyl-
polypropoxy₁; 1,4-hexanediol, 5-methyl- n-polybutoxy₁₋₃; 1,5-hexanediol
(Me-polyethoxy₁₋₅); 1,5-hexanediol polypropoxy₂; 1,5-hexanediol
polybutoxy₁; 1,5-hexanediol, 2-methyl- polyethoxy₂₋₉; 1,5-hexanediol, 2-
methyl- polypropoxy₁; 1,5-hexanediol, 2-methyl- n-polybutoxy₁₋₃; 1,5-
hexanediol, 3-methyl- polyethoxy₂₋₉; 1,5-hexanediol, 3-methyl-
polypropoxy₁; 1,5-hexanediol, 3-methyl- n-polybutoxy₁₋₃; 1,5-
hexanediol, 4-methyl- polyethoxy₂₋₉; 1,5-hexanediol, 4-methyl-
polypropoxy₁; 1,5-hexanediol, 4-methyl- n-polybutoxy₁₋₃; 1,5-
hexanediol, 5-methyl- polyethoxy₂₋₉; 1,5-hexanediol, 5-methyl-
polypropoxy₁; 1,5-hexanediol, 5-methyl- n-polybutoxy₁₋₃; 1,6-hexanediol
(Me-polyethoxy₁₋₂); 1,6-hexanediol polypropoxy₁₋₂; 1,6-hexanediol n-
polybutoxy₄; 1,6-hexanediol, 2-methyl- polyethoxy₁₋₅; 1,6-hexanediol, 2-
methyl- n-polybutoxy₁₋₂; 1,6-hexanediol, 3-methyl- polyethoxy₁₋₅; 1,6-
hexanediol, 3-methyl- n-polybutoxy₁₋₂; 2,3-hexanediol polyethoxy₁₋₅;
2,3-hexanediol n-polybutoxy₁; 2,3-hexanediol polybutoxy₁; 2,4-
hexanediol (Me-polyethoxy₃₋₈); 2,4-hexanediol polypropoxy₃; 2,4-
hexanediol, 2-methyl- (Me-polyethoxy₁₋₂); 2,4-hexanediol 2-methyl-
polypropoxy₁₋₂; 2,4-hexanediol, 3-methyl- (Me-polyethoxy₁₋₂); 2,4-
hexanediol 3-methyl- polypropoxy₁₋₂; 2,4-hexanediol, 4-methyl- (Me-
polyethoxy₁₋₂); 2,4-hexanediol 4-methyl- polypropoxy₁₋₂; 2,4-
hexanediol, 5-methyl- (Me-polyethoxy₁₋₂); 2,4-hexanediol 5-methyl-
polypropoxy₁₋₂; 2,5-hexanediol (Me-polyethoxy₃₋₈); 2,5-hexanediol
polypropoxy₃; 2,5-hexanediol, 2-methyl- (Me-polyethoxy₁₋₂); 2,5-
hexanediol 2-methyl- polypropoxy₁₋₂; 2,5-hexanediol, 3-methyl- (Me-
polyethoxy₁₋₂); 2,5-hexanediol 3-methyl- polypropoxy₁₋₂; 3,4-
hexanediol polyethoxy₁₋₅; 3,4-hexanediol n-polybutoxy₁; 3,4-hexanediol
polybutoxy₁;

5. 1,3-heptanediol polyethoxy₁₋₇; 1,3-heptanediol polypropoxy₁; 1,3-
heptanediol n-polybutoxy₁₋₂; 1,4-heptanediol polyethoxy₁₋₇; 1,4-
heptanediol polypropoxy₁; 1,4-heptanediol n-polybutoxy₁₋₂; 1,5-
heptanediol polyethoxy₁₋₇; 1,5-heptanediol polypropoxy₁; 1,5-
heptanediol n-polybutoxy₁₋₂; 1,6-heptanediol polyethoxy₁₋₇; 1,6-
heptanediol polypropoxy₁; 1,6-heptanediol n-polybutoxy₁₋₂; 1,7-
heptanediol polyethoxy₁₋₇; 1,7-heptanediol polypropoxy₁; 1,7-
heptanediol n-polybutoxy₁₋₂;

- heptanediol polyethoxy₁₋₂; 1,7-heptanediol n-polybutoxy₁; 2,4-heptanediol polyethoxy₃₋₁₀; 2,4-heptanediol (Me-polyethoxy₁); 2,4-heptanediol polypropoxy₁; 2,4-heptanediol n-polybutoxy₃; 2,5-heptanediol polyethoxy₃₋₁₀; 2,5-heptanediol (Me-polyethoxy₁); 2,5-heptanediol polypropoxy₁; 2,5-heptanediol n-polybutoxy₃; 2,6-heptanediol polyethoxy₃₋₁₀; 2,6-heptanediol (Me-polyethoxy₁); 2,6-heptanediol polypropoxy₁; 2,6-heptanediol n-polybutoxy₃; 3,5-heptanediol polyethoxy₃₋₁₀; 3,5-heptanediol (Me-polyethoxy₁); 3,5-heptanediol polypropoxy₁; 3,5-heptanediol n-polybutoxy₃;
6. 1,3-butanediol, 3-methyl-2-isopropyl- polypropoxy₁; 2,4-pentanediol, 2,3,3-trimethyl- polypropoxy₁; 1,3-butanediol, 2,2-diethyl- polyethoxy₂₋₅; 2,4-hexanediol, 2,3-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 2,4-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 2,5-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 3,3-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 3,4-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 3,5-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 4,5-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 5,5-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 2,3-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 2,4-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 2,5-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 3,3-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 3,4-dimethyl- polyethoxy₂₋₅; 3,5-heptanediol, 3-methyl- polyethoxy₂₋₅; 1,3-butanediol, 2,2-diethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 2,3-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 2,4-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 2,5-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 3,3-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 3,4-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 3,5-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 4,5-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 5,5-dimethyl- n-polybutoxy₁₋₂; 2,5-hexanediol, 2,3-dimethyl- n-polybutoxy₁₋₂; 2,5-hexanediol, 2,4-dimethyl- n-polybutoxy₁₋₂; 2,5-hexanediol, 2,5-dimethyl- n-polybutoxy₁₋₂; 2,5-hexanediol, 3,3-dimethyl- n-polybutoxy₁₋₂; 2,5-hexanediol, 3,4-dimethyl- n-polybutoxy₁₋₂; 3,5-heptanediol, 3-methyl- n-polybutoxy₁₋₂; 1,3-propanediol, 2-(1,2-dimethylpropyl)- n-polybutoxy₁; 1,3-butanediol, 2-ethyl-2,3-dimethyl- n-polybutoxy₁; 1,3-butanediol, 2-methyl-2-isopropyl- n-polybutoxy₁; 1,4-butanediol, 3-methyl-2-isopropyl- n-polybutoxy₁; 1,3-pentanediol, 2,2,3-trimethyl- n-polybutoxy₁; 1,3-pentanediol, 2,2,4-trimethyl- n-polybutoxy₁; 1,3-pentanediol, 2,4,4-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 2,2,3-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 2,2,4-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 2,3,3-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 2,3,4-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 3,3,4-trimethyl- n-polybutoxy₁; 2,4-

pentanediol, 2,3,4-trimethyl- n-polybutoxy₁; 2,4-hexanediol, 4-ethyl- n-polybutoxy₁; 2,4-heptanediol, 2-methyl- n-polybutoxy₁; 2,4-heptanediol, 3-methyl- n-polybutoxy₁; 2,4-heptanediol, 4-methyl- n-polybutoxy₁; 2,4-heptanediol, 5-methyl- n-polybutoxy₁; 2,4-heptanediol, 6-methyl- n-polybutoxy₁; 2,5-heptanediol, 2-methyl- n-polybutoxy₁; 2,5-heptanediol, 3-methyl- n-polybutoxy₁; 2,5-heptanediol, 4-methyl- n-polybutoxy₁; 2,5-heptanediol, 5-methyl- n-polybutoxy₁; 2,5-heptanediol, 6-methyl- n-polybutoxy₁; 2,6-heptanediol, 2-methyl- n-polybutoxy₁; 2,6-heptanediol, 3-methyl- n-polybutoxy₁; 2,6-heptanediol, 4-methyl- n-polybutoxy₁; 3,5-heptanediol, 2-methyl- n-polybutoxy₁; 1,3-propanediol, 2-(1,2-dimethylpropyl)- polyethoxy₁₋₃; 1,3-butanediol, 2-ethyl-2,3-dimethyl- polyethoxy₁₋₃; 1,3-butanediol, 2-methyl-2-isopropyl- polyethoxy₁₋₃; 1,4-butanediol, 3-methyl-2-isopropyl- polyethoxy₁₋₃; 1,3-pentanediol, 2,2,3-trimethyl- polyethoxy₁₋₃; 1,3-pentanediol, 2,2,4-trimethyl- polyethoxy₁₋₃; 1,3-pentanediol, 2,4,4-trimethyl- polyethoxy₁₋₃; 1,3-pentanediol, 3,4,4-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,2,3-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,2,4-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,3,3-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,3,4-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 3,3,4-trimethyl- polyethoxy₁₋₃; 2,4-pentanediol, 2,3,4-trimethyl- polyethoxy₁₋₃; 2,4-hexanediol, 4-ethyl- polyethoxy₁₋₃; 2,4-heptanediol, 2-methyl- polyethoxy₁₋₃; 2,4-heptanediol, 3-methyl- polyethoxy₁₋₃; 2,4-heptanediol, 4-methyl- polyethoxy₁₋₃; 2,4-heptanediol, 5-methyl- polyethoxy₁₋₃; 2,4-heptanediol, 6-methyl- polyethoxy₁₋₃; 2,5-heptanediol, 2-methyl- polyethoxy₁₋₃; 2,5-heptanediol, 3-methyl- polyethoxy₁₋₃; 2,5-heptanediol, 4-methyl- polyethoxy₁₋₃; 2,5-heptanediol, 5-methyl- polyethoxy₁₋₃; 2,5-heptanediol, 6-methyl- polyethoxy₁₋₃; 2,6-heptanediol, 2-methyl- polyethoxy₁₋₃; 2,6-heptanediol, 3-methyl- polyethoxy₁₋₃; 2,6-heptanediol, 4-methyl- polyethoxy₁₋₃; and/or 3,5-heptanediol, 2-methyl- polyethoxy₁₋₃;

7. mixtures thereof; and

VIII. aromatic diols selected from the group consisting of: 1-phenyl-1,2-ethanediol; 1-phenyl-1,2-propanediol; 2-phenyl-1,2-propanediol; 3-phenyl-1,2-propanediol; 1-(3-methylphenyl)-1,3-propanediol; 1-(4-methylphenyl)-1,3-propanediol; 2-methyl-1-phenyl-1,3-propanediol; 1-phenyl-1,3-butanediol; 3-phenyl-1,3-butanediol; 1-phenyl-1,4-butanediol; 2-phenyl-1,4-butanediol; and/or 1-phenyl-2,3-butanediol; and mixtures thereof; and

IX. mixtures thereof;

with the exception of the following specific unsaturated compounds: 3,7-Octadiene-2,5-diol, 2,7-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-;

4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 6-Heptene-1,4-diol, 4-methyl-; 4-Octene-3,6-diol; 4-Octene-3,6-diol; 3-Octene-1,2-diol; 3-Nonene-2,5-diol; 7-Nonene-4,5-diol; 7-Nonene-4,5-diol; 6-Nonene-2,3-diol; 6-Heptene-2,4-diol, 5-methyl-; 6-Octene-1,2-diol, 7-methyl-3-methylene-; 2,7-Octadiene-1,6-diol, 2,6-dimethyl-; 1,3-Propanediol, 2-(2-methylenepentyl)-; 3-Heptene-2,6-diol, 2,6-dimethyl-; 3-Heptene-2,6-diol, 2,6-dimethyl-; 5-Hexene-2,4-diol, 3,5-dimethyl-; 4-Hexene-1,2-diol, 2,5-dimethyl-; 4-Hexene-1,2-diol, 2,5-dimethyl-; 7-Octene-1,6-diol; 2-Hexene-1,4-diol, 2,5-dimethyl-; 2-Hexene-1,4-diol, 2,5-dimethyl-; 1,4-Hexanediol, 5-methyl-2-methylene-; 4-Octene-2,3-diol; Nonene-1,4-diol; 6-Heptene-1,4-diol, 4-methyl-; 6-Octene-3,5-diol, 4-methyl-; 2,6-Octadiene-1,8-diol, 2,6-dimethyl-; (8-Hydroxygeraniol); 1-Heptene-3,5-diol, 2,4-dimethyl-2,4-Hexanediol, 5-methyl-3-methylene-; 2,4-Hexanediol, 5-methyl-3-methylene-; 5-Hexene-2,4-diol, 3-ethenyl-2,5-dimethyl-; 5-Hexene-2,4-diol, 3-ethenyl-2,5-dimethyl-; 6-Heptene-2,4-diol, 5-methyl-; 4,9-Decadiene-1,8-diol; 5-Hexene-1,3-diol, 2,4-dimethyl-; 7-Octene-1,3-diol, 2-methyl-; 5-Heptene-3-d-1,2-diol, 2,6-dimethyl-; 5-Heptene-3-d-1,2-diol, 2,6-dimethyl-; 4-Nonene-2,8-diol; 4-Nonene-2,8-diol; 5-Hexene-2,3-diol, 2,3-dimethyl-; 2-Butene-1,4-diol, 2-butyl-; 2,4-Hexadiene-1,6-diol, 3-(1,1-dimethylethyl)-; 6-Octene-1,4-diol, 7-methyl-; 6-Heptene-1,4-diol, 5,6-dimethyl-; 6-Heptene-1,4-diol, 5,6-dimethyl-; 7-Octene-2,5-diol, 7-methyl-; 7-Octene-2,5-diol, 7-methyl-; 4-Hexene-1,3-diol, 2,4-dimethyl-; 4-Octene-2,7-diol; 4-Octene-2,7-diol; 3-Heptene-1,2-diol, 5-methyl-; 3-Heptene-1,2-diol, 5-methyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 8-Nonene-1,7-diol; 2,6-Octadiene-1,4-diol, 3,7-dimethyl-; 5-Hexene-1,4-diol, 2,4-dimethyl-; 1-Heptene-3,4-diol, 6-methyl-; 3-Heptene-1,5-diol, 4,6-dimethyl-; 3-Octene-1,5-diol, 4-methyl-; 3,9-Decadiene-1,2-diol; 7-Octene-2,3-diol, 2-methyl-; 7-Octene-2,3-diol, 2-methyl-; 6-Nonene-2,3-diol; 2,5-Hexanediol, 3-methyl-4-methylene-; 6-Heptene-1,4-diol, 2-methyl-; 6-Octene-1,5-diol; 1-Octene-3,4-diol; 7-Octene-1,6-diol, 5-methyl-; 7-Octene-1,6-diol, 5-methyl-; 1,3-Butanediol, 2-methyl-2-(1-methylethenyl)-; 1,3-Pentanediol, 2-ethenyl-4,4-dimethyl-; 3,5-Octanediol, 4-methylene-; 3,5-Octanediol, 4-methylene-; 6-Heptene-2,3-diol, 2-methyl-; 6-Heptene-2,3-diol, 2,6-dimethyl-; 6-Heptene-2,3-diol, 2-methyl-; 7-Octene-1,3-diol, 4-methyl-; 1,3-Butanediol, 2-methyl-2-(1-methyl-2-

propenyl)-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 1-Nonene-3,4-diol; 5-Heptene-1,2-diol, 3-methyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 6-Heptene-1,3-diol, 2,2-dimethyl-; 4-Nonene-1,3-diol; 1,4-Pentanediol, 3-methyl-2-(2-propenyl)-; 1-Nonene-3,4-diol; 8-Nonene-1,2-diol; 3-Octene-1,2-diol; 1,9-Decadiene-4,6-diol; 1,9-Decadiene-4,6-diol; 5-Hexene-1,3-diol, 2,2-dimethyl-; 1,3-Propanediol, 2-(1-pentenyl)-; 1,3-Propanediol, 2-(3-methyl-1-butenyl)-; 1,3-Propanediol, 2-(3-methyl-1-butenyl)-; 8-Nonene-1,3-diol; 2,4-Octadiene-1,8-diol, 2,7-dimethyl-; 5-Heptene-1,2-diol, 6-methyl-; 3,9-Decadiene-1,2-diol; 3-Nonene-1,2-diol; 6-Nonene-1,2-diol; 4-Hexene-1,3-diol, 2,4-dimethyl-; 2,4-Octadiene-1,7-diol, 3,7-dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 1,3-Butanediol, 2-methyl-2-(2-propenyl)-; 6-Heptene-2,5-diol, 4,6-dimethyl-; 6-Heptene-1,5-diol, 6-methyl-; 6-Heptene-2,5-diol, 4,6-dimethyl-; 1,5-Pentanediol, 2-(2-propenyl)-; 5-Hexene-2,3-diol, 3,5-dimethyl-; 5-Hexene-2,3-diol, 3,5-dimethyl-; Nonenediol; Octenediol; 5-Hexene-1,3-diol, 3,5-dimethyl-; 4-Nonene-1,8-diol; 4-Nonene-1,7-diol; 4-Nonene-1,6-diol; 6-Nonene-1,4-diol; 2-Nonene-1,4-diol; 8-Nonene-2,5-diol; 5-Heptene-1,2-diol, 2-ethenyl-6-methyl-; 4-Hexene-2,3-diol, 2,5-dimethyl-; 5-Heptene-2,3-diol, 2,6-dimethyl-; 1-Heptene-3,5-diol, 2,6-dimethyl-; 1-Heptene-3,5-diol, 2,6-dimethyl-; 7-Octene-1,3-diol, 7-methyl-; 1,3-Propanediol, 2-methyl-2-(3-methyl-3-butenyl)-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 5,7-Octadiene-2,3-diol, 2,6-dimethyl-; 5,7-Octadiene-2,3-diol, 2,6-dimethyl-; 5-Hexene-1,2-diol, 2-ethyl-; 2,4-Nonadiene-4-d-1,7-diol, 6-methyl-; 2,4-Nonadiene-1,6,7-d-1,7-diol, 6-methyl-; 2,4-Nonadiene-1,7-diol, 6-methyl-; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 1,3-Butanediol, 3-methyl-2-(4-pentenylidene)-; 1,3-Butanediol, 3-methyl-2-(4-pentenylidene)-; 2-Hexene-1,4-diol, 5,5-dimethyl-; 2-Hexene-1,4-diol, 5,5-dimethyl-; 2-Nonene-1,4-diol; 2-Nonene-1,4-diol; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 5-Octene-1,3-diol; 7-Octene-1,3-diol, 2-methyl-; 4-Heptene-1,3-diol, 2-methyl-; 4-Octene-2,3-d-1,2-diol; 4-Octene-2,3-d-1,2-diol; 5-Heptene-1,2-diol, 3-methyl-; 5-Octene-1,2-diol; 3,7-Octadiene-1,6-diol, 2,6-dimethyl-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 1,7-Octadiene-4,5-diol, 4,5-dimethyl-; 1,7-Octadiene-4,5-diol, 4,5-dimethyl-; 5-Heptene-1,3-diol, 2-methyl-; 5-Heptene-1,3-diol, 2-methyl-; 3-Hexene-1,6-diol, 3,4-dimethyl-;

3-Hexene-1,6-diol, 3,4-dimethyl-; 2,6-Octadiene-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1,8-diol, 2,6-dimethyl-; 2-Heptene-1,5-diol, 6-methyl-; 2-Heptene-1,5-diol, 6-methyl-; 8,9-Decadiene-3,5-diol; 8,9-Decadiene-3,5-diol; 4,6-Nonadiene-1,3-diol, 8-methyl-; 3,5-Nonadiene-1,7-diol, 8-methyl-; 5-Heptene-1,3-diol, 2,4-dimethyl-; 2-Nonene-1,9-diol; 2-Nonene-1,9-diol; 1,3-Butanediol, 2-ethyl-2-(2-propenyl)-; 3-Heptene-1,5-diol, 6-methyl-; 1,3-Pentanediol, 2-ethenyl-4-methyl-; 1,3-Pentanediol, 2-ethenyl-4-methyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 2,3,4-trimethyl-; 4-Pentene-1,2-diol, 2,3,3-trimethyl-; 1,3-Propanediol, 2-(2-methyl-2-propenyl)-2-(2-propenyl)-; 1,3-Propanediol, 2-(2-butenyl)-2-(2-propenyl)-; 5-Hexene-1,2-diol, 2-ethyl-; 1,4-Butanediol, 2-(4-methyl-3-pentenylidene)-; 6-Heptene-1,3-diol, 2-methyl-; 2,6-Octadiene-1,8-diol-2-¹³C, 2,6-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 1-Nonene-3,4-diol; 8-Nonene-2,4-diol; 8-Nonene-2,4-diol; 7-Octene-1,2-diol, 2-methyl-; 1-Nonene-3,5-diol; 2,7-Octadiene-1,6-diol, 2,6-dimethyl-; 7-Octene-1,2-diol; 7-Octene-1,2-diol; 2,5-Octadiene-1,7-diol, 3,7-dimethyl-; 1,3-Propanediol, 2-(2,2-dimethylpropylidene)-; 6-Octene-1,2-diol, 7-methyl-3-methylene-; 2,8-Decadiene-1,10-diol; 6-Octene-1,5-diol, 7-methyl-; 1,3-Butanediol, 2-(1-ethyl-1-propenyl)-; 4-Hexene-1,2-diol, 4-ethyl-3-methyl-; 8-Nonene-1,3-diol; 1,4-Butanediol, 2-(3-methyl-2-butenyl)-3-methylene-; 2,6-Heptadiene-1,4-diol, 2,5,5-trimethyl-; 2,6-Heptadiene-1,4-diol, 2,5,5-trimethyl-; 8-Nonene-2,4-diol; 2,6-Heptanediol, 4-methylene-; 3-Hexene-3,4-diol, 2,5-dimethyl-; 4-Octene-4,5-diol; 5-Hexene-1,2-diol, 2,3-dimethyl-; 3-Hexene-1,6-diol, 2-ethenyl-2,5-dimethyl-; 3-Hexene-1,5-diol, 2,4-dimethyl-; 3-Hexene-1,5-diol, 2,4-dimethyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 3,6-Octadiene-1,2-diol, 3,7-dimethyl-; 7-Octene-2,3-diol, 6-methyl-; 7-Octene-2,3-diol, 6-methyl-; 7-Octene-2,3-diol, 6-methyl-; 2,5-Octadiene-1,7-diol, 3,7-dimethyl-; 6-Octene-1,3-diol, 7-methyl-; Decadienediol; 6-Heptene-1,2-diol, 2,3-dimethyl-; 4-Hexene-1,3-diol, 3,5-dimethyl-; 4-Pentene-1,3-diol, 2-(1,1-dimethylethyl)-; 4-Pentene-1,3-diol, 2-(1,1-dimethylethyl)-; 1-Heptene-3,5-diol, 6,6-dimethyl-; 1-Heptene-3,5-diol, 6,6-dimethyl-; 1,3-Hexanediol, 5-methyl-4-methylene-; 4-Octene-1,2-diol; 2,3-Heptanediol, 3-ethenyl-; 2,3-Heptanediol, 3-ethenyl-; 5-Hexene-1,3-diol, 2,4-dimethyl-; 5-Hexene-

1,3-diol, 2,4-dimethyl-; 5-Hexene-1,3-diol, 2,4-dimethyl-; 2,6-Octadiene-1-t-1,8-diol, 3,7-dimethyl-; 8-Nonene-2,4-diol; 8-Nonene-2,4-diol; 1,3-Octanediol, 2-methylene-; 8-Nonene-1,3-diol; 5-Heptene-1,4-diol, 3,6-dimethyl-; 5-Heptene-1,4-diol, 2,6-dimethyl-; 4-Octene-2,3-diol; 4-Octene-2,3-diol; 5,7-Octadiene-1,4-diol, 2,7-dimethyl-; 7-Octene-1,3-diol, 7-methyl-; 2-Heptene-1,5-diol, 5-ethyl-; 2-Heptene-1,5-diol, 5-ethyl-; 1,3-Pentenediol, 2-ethenyl-3-ethyl-; 5-Heptene-2,4-diol, 2,3-dimethyl-; 5-Heptene-2,4-diol, 2,3-dimethyl-; 8-Nonene-3,4-diol; 8-Nonene-3,4-diol; 5-Hexene-1,3-diol, 4,5-dimethyl-; 5-Hexene-1,3-diol, 4,5-dimethyl-; 4,6-Octadiene-2,3-diol, 3,7-dimethyl-; 1,3-Butanediol, 2,2-diallyl-; 1,9-Decadiene-3,8-diol; 2-Heptene-1,4-diol, 5,6-dimethyl-; 2-Heptene-1,4-diol, 5-methyl-; 2-Heptene-1,4-diol, 5,6-dimethyl-; 2-Heptene-1,4-diol, 5-methyl-; 2,8-Decadiene-5,6-diol; 2,7-Octadiene-1,6-diol, 2,6-dimethyl- (8-Hydroxylinalool); 6-Heptene-1,2-diol, 2-methyl-; 5-Hexene-1,3-diol, 2,3-dimethyl-; 2,6-Octadiene-1,8-diol, 6-methyl-2-(methyl-13C)-; 1,3-Propanediol, 2-(5-hexenyl)-; 8-Nonene-3,4-diol; 5-Hexene-1,3-diol, 3-ethyl-; 7-Octene-3,4-diol; 6-Heptene-1,2-diol, 2-methyl-; 6-Heptene-2,4-diol, 4-(2-propenyl)-; 2,6-Octadiene-1,4-diol, 3,7-dimethyl-; 8-Nonene-3,4-diol; 6-Heptene-2,3-diol, 6-methyl-; 6-Heptene-2,3-diol, 2,6-dimethyl-; 4-Hexene-2,3-diol, 2,5-dimethyl-; 4,6-Octadiene-2,3-diol, 2,6-dimethyl-; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 7-Octene-2,3-diol, 6-methyl-; 4,6-Octadiene-2,3-diol, 2,6-dimethyl-; 1,4-Heptanediol, 6-methyl-5-methylene-; 2-Butene-1,4-diol, 2-(4-methyl-3-pentenyl)-; 4-Octene-1,2-diol; 4-Octene-1,2-diol; 7-Octene-2,4-diol; 6-Heptene-2,4-diol, 3-methyl-; 6-Heptene-2,4-diol, 3-methyl-; 3-Heptene-2,5-diol, 2,4-dimethyl-; 1,3-Butanediol, 2-(3-methyl-2-butenyl)-; 7-Octene-3,5-diol, 2-methyl-; 7-Octene-3,5-diol, 2-methyl-; 6-Heptene-2,4-diol, 5,5-dimethyl-; 6-Heptene-2,4-diol, 5,5-dimethyl-; 1,3-Propanediol, 2-methyl-2-(2-methylallyl)-; 2-Heptene-1,6-diol, 6-methyl-; 1,3-Butanediol, 2-allyl-3-methyl-; 2-Nonene-1,4-diol; 5-Hexene-2,3-diol, 4-ethenyl-2,5-dimethyl-; 5-Hexene-2,3-diol, 4-ethenyl-2,5-dimethyl- 2-Nonene-1,4-diol; 5-Heptene-1,3-diol, 3,6-dimethyl-; 1,5-Hexanediol, 2-(1-methylethenyl)-; and 1,3-Propanediol, 2-(1-pentenyl)-; and

- D. mixtures of the above compounds; and
- E. mixtures of 8-carbon-diol isomers consisting essentially of: 2,2,4-trimethyl-1,3-pentanediol; 2-ethyl-1,3-hexanediol; 2,2-dimethyl-1,3-hexanediol; 2-ethyl-4-methyl-1,3-pentanediol; 2-ethyl-3-methyl-1,3-

pentanediol; 3,5-octanediol; 2,2-dimethyl-2,4-hexanediol; 2-methyl-3,5-heptanediol; and/or 3-methyl-3,5-heptanediol, any individual 1,3-diol being less than about 90% of any mixture.

125. (Amended) The principal solvent of Claim 124, that is a compound selected from the group consisting of: [1,2-butanediol, 2,3,3-trimethyl-; 3,4-pentanediol, 2,3-dimethyl-; 2,3-hexanediol, 4-methyl-;] (2,3-hexanediol, 5-methyl-; 3,4-hexanediol, 2-methyl-; 3,4-pentanediol, 2,3-dimethyl-; 1,3-propanediol, 2-(1,1-dimethylpropyl)-; (1,3-propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(2,2-dimethylpropyl)-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 2-ethyl-2,3-dimethyl-; 1,3-butanediol, 2-(2-methylpropyl)-; 1,3-butanediol, 2-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-propyl-; 1,4-butanediol, 2,2-diethyl-; 1,4-butanediol, 2-methyl-2-propyl-; 1,4-butanediol, 2-(1-methylpropyl)-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-butanediol, 2-ethyl-3,3-dimethyl-; 1,4-butanediol, 2-(2-methylpropyl)-; 1,4-pentanediol, 2,2,3-trimethyl-; 1,4-pentanediol, 2,3,3-trimethyl-; 1,5-pentanediol, 2,2,3-trimethyl-; 1,5-pentanediol, 2,3,3-trimethyl-; 1,3-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-3-methyl-; 1,4-pentanediol, 2-ethyl-4-methyl-; 1,4-pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 3-ethyl-3-methyl-; 1,5-pentanediol, 2-ethyl-2-methyl-; 1,5-pentanediol, 2-ethyl-4-methyl-; 2,4-pentanediol, 3-ethyl-2-methyl-; 1,3-pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4-hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dimethyl-; 1,4-hexanediol, 4,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5-hexanediol, 3,4-dimethyl-; 1,5-hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5-dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6-hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,5-hexanediol, 2,3-dimethyl-; 2,5-hexanediol, 2,4-dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 2,6-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 4-ethyl-; 2,4-hexanediol, 3-ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3-heptanediol, 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3-heptanediol, 6-methyl-; 1,5-heptanediol, 3-methyl-; 1,5-heptanediol, 4-methyl-; 1,6-heptanediol, 3-methyl-; 1,6-heptanediol, 5-methyl-; 2,4-heptanediol, 5-methyl-; 2,5-heptanediol, 3-methyl-; 3,5-heptanediol, 2-methyl-; 2,6-octanediol; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; 2,5-hexanediol, 3,3,5-trimethyl-; 1,2-propanediol, 3-(butyloxy)-, triethoxylated; 1,2-

propanediol, 3-(butyloxy)-, tetraethoxylated; 1,2-propanediol, 3-(2-pentyloxy)-; 1,2-propanediol, 3-(3-pentyloxy)-; 1,2-propanediol, 3-(2-methyl-1-butyloxy)-; 1,2-propanediol, 3-(iso-amylloxy)-; 1,2-propanediol, 3-(3-methyl-2-butyloxy)-; 1,2-propanediol, 3-(cyclohexyloxy)-; 1,2-propanediol, 3-(1-cyclohex-1-enyloxy)-; 1,3-propanediol, 2-(pentyloxy)-; 1,3-propanediol, 2-(2-pentyloxy)-; 1,3-propanediol, 2-(3-pentyloxy)-; 1,3-propanediol, 2-(2-methyl-1-butyloxy)-; 1,3-propanediol, 2-(iso-amylloxy)-; 1,3-propanediol, 2-(3-methyl-2-butyloxy)-; 1,3-propanediol, 2-(cyclohexyloxy)-; 1,3-propanediol, 2-(1-cyclohex-1-enyloxy)-; 1,2-propanediol, 3-(butyloxy)-, pentaethoxylated; 1,2-propanediol, 3-(butyloxy)-, hexaethoxylated; 1,2-propanediol, 3-(butyloxy)-, heptaethoxylated; 1,2-propanediol, 3-(butyloxy)-, octaethoxylated; 1,2-propanediol, 3-(butyloxy)-, nonaethoxylated; 1,2-propanediol, 3-(butyloxy)-, monopropoxylated; 1,2-propanediol, 3-(butyloxy)-, dibutyleneoxylated; and 1,2-propanediol, 3-(butyloxy)-, tributyleneoxylated.